



# Crop Progress and Condition

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**In Cooperation with:**

Univ. of KY – Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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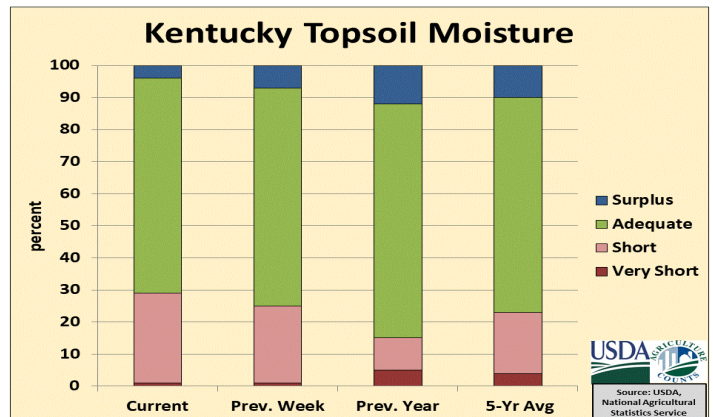
**Agricultural News:** Kentucky experienced near normal temperatures and slightly below normal rainfall over the past week. Precipitation for the week totaled 0.95 inches, 0.03 inches below normal. Temperatures averaged 77 degrees for the week, 2 degrees above normal. **Topsoil moisture** was rated 1 percent very short, 28 percent short, 67 percent adequate, and 4 percent surplus. **Subsoil moisture** was rated 1 percent very short, 23 percent short, 72 percent adequate, and 4 percent surplus. Days suitable for fieldwork averaged 6.4 out of a possible seven.

Primary activities for this week included spraying, cutting hay, and topping tobacco. Weather was dry for much of the state this past week allowing farmers to proceed with field work. Some areas of the state need rain to revive once promising corn and soybean crops. There were pockets of the commonwealth that received very heavy rain leading to flooding in low-lying fields, but this pattern was not widespread. Southern Rust has been noted in corn as well as a shortage of spraying equipment. Ninety-one percent of the corn crop is in the silking stage while 62 percent of the crop is milking. Thirty-seven percent of corn is doughing with 16 percent of the crop in the denting stage. Seventy-four percent of soybeans are blooming while 53 percent are setting pods. With 61 percent of the tobacco crop blooming, topping is moving steadily at 33 percent. The condition of corn, soybeans, and tobacco remains good at this juncture.

Livestock are in mostly good condition although recent heat led to some unneeded stress. Pastures were also stressed by recent hot weather and will benefit from timely rain. Farmers continue to cut hay with mixed yield results. The quality of hay made was rated 1 percent very poor, 4 percent poor, 16 percent fair, 67 percent good, and 12 percent excellent.

**SOIL MOISTURE for week ending 08/01/21**

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	1	28	67	4
Subsoil	1	23	72	4



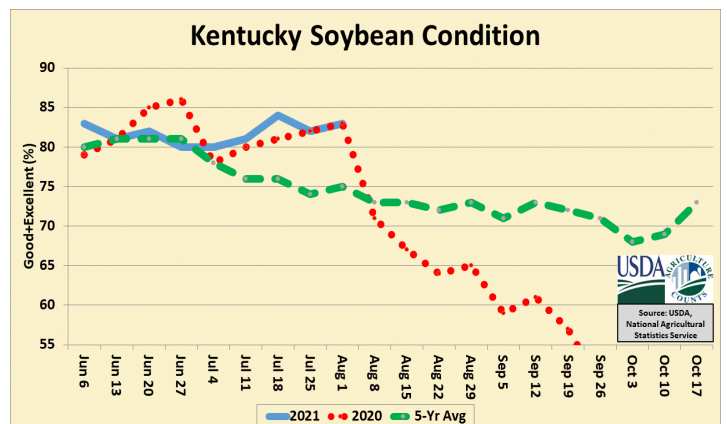
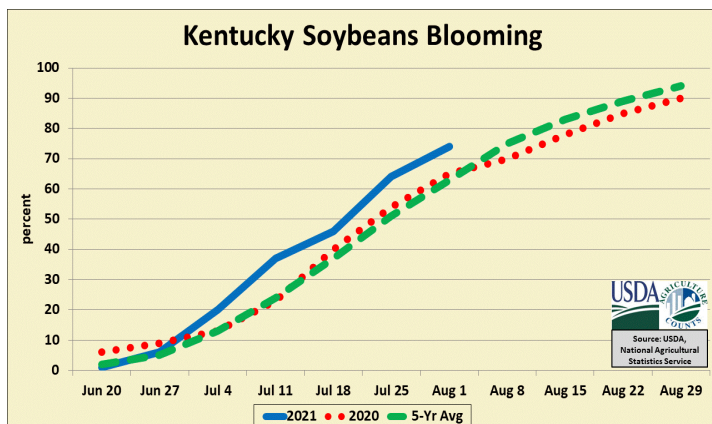
**CROP PROGRESS for week ending 08/01/21**

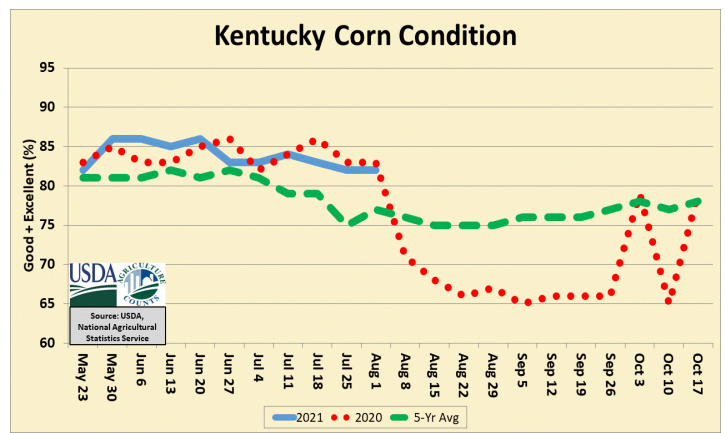
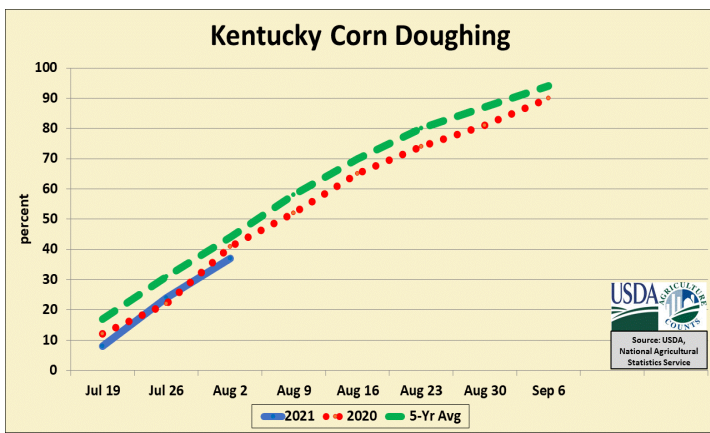
Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	91	83	88	89
Corn Milked	62	52	62	64
Corn Dough	37	24	41	44
Corn Dent	16	5	20	20
Soybeans Blooming	74	64	65	63
Soybeans Setting Pods	53	41	43	39
Tobacco Blooming	61	45	62	59
Tobacco Topped	33	15	38	35

**CROP CONDITIONS for week ending 08/01/21**

Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	-	2	16	72	10
Hay	1	3	19	69	8
Hay Harvested Quality	1	4	16	67	12
Livestock	1	3	14	73	9
Pasture	1	3	22	68	6
Soybeans	-	3	14	73	10
Tobacco Set	1	5	17	73	4

- Represents zero.





**Kentucky Climate Summary  
For the Period July 26, 2021 to August 1, 2021**

Near Normal Temperatures and Slightly Below Normal Rainfall:

Kentucky saw some of the warmest temperatures of the summer season this past week, specifically between Tuesday and Thursday. Highs each day peaked in the upper 80s to middle 90s. Oppressive humidity pushed peak heat indices into the 100 to 110 range on Thursday, taking the livestock heat stress index into the danger and emergency categories. Rain returned to the area for the second half of the week, but not for all. Significant rain fell Thursday night and into Friday across Eastern Kentucky. In fact, a large area saw more than two inches, resulting in some bouts of flooding. The rest of Kentucky, for the most part, missed out on anything significant for the week. A number of stations totaled less than a tenth of an inch, especially across Central KY.

Temperatures for the period averaged 77 degrees across the state which was near normal and 2 degrees warmer than the previous period. High temperatures averaged from 89 in the West to 86 in the East. Departure from normal high temperatures ranged from near normal in the West to 1 degree cooler than normal in the East. Low temperatures averaged from 69 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 2 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 95 degrees at BOWLING GREEN APT and the extreme low was 57 degrees at CINCINNATI.

Precipitation (liq. equ.) for the period totaled 0.95 inches statewide which was 0.03 inches below normal and 97% of normal. Precipitation totals by climate division, West 0.41 inches, Central 0.50 inches, Bluegrass 0.88 inches and East 1.99 inches, which was -0.52, -0.47, -0.09 and 0.96 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at ALEXANDRIA 5NW to a high of 4.78 inches at VANCEBURG 6W.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 08/01/21 4 p.m.**

Weather Station	Rainfall			Deviation From		Air Temperatures				Growing Degree Days		
	Last Week	Since Apr 1	Last Four Wks.	Norm. Since Apr 1	Norm. Last 4 Wks.	High	Low	Wkly. Avg.	Dev. From Norm.	Last Week	Since Apr 1	Dev. Since Apr 1
	Inches	Inches	Inches	Inches	Inches	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F
Bardstown	0.00	19.48	4.28	2.34	-0.20	92	62	77	1	190	2,178	-79
Berea	2.98	18.22	5.57	0.65	1.59	90	60	76	1	178	1,942	-363
Bowling Green	0.16	15.29	3.68	-2.99	-0.56	95	67	82	6	221	2,495	150
Bristol	0.49	12.28	2.75	-2.88	-1.11	93	63	78	3	196	1,996	-136
Buckhorn Lake	0.35	13.92	1.89	-3.05	-2.44	89	61	76	1	180	2,024	-18
Cape Girardeau	0.00	18.56	5.85	1.82	2.65	95	68	81	3	216	2,466	5
Campbellsville	1.05	14.63	4.66	-4.98	-0.16	90	63	76	0	186	2,079	-204
Covington	0.14	20.47	3.59	4.25	-0.21	91	57	77	2	188	2,134	42
Cumberland Gap	2.09	16.49	3.53	-2.07	-1.20	91	64	77	2	188	2,110	-6
Dix Dam	0.92	20.01	4.11	2.29	-0.34	91	63	76	1	184	2,110	-134
Evansville	0.01	12.28	3.48	-4.12	-0.14	93	62	78	0	198	2,368	33
Glasgow	0.08	18.70	4.55	-0.95	-0.20	93	63	78	2	194	2,179	-85
Grayson	1.53	14.61	4.43	-2.10	0.08	90	63	76	1	184	2,032	49
Hardinsburg	0.01	17.75	4.32	-0.11	0.04	90	61	76	0	182	2,131	-228
Henderson	0.04	13.79	2.43	-3.00	-1.23	91	63	76	-2	184	2,176	-210
Huntington	2.51	22.90	8.01	6.28	3.59	90	63	76	1	184	2,122	-27
Jackson	2.55	16.89	6.94	-0.89	2.24	88	65	77	2	186	2,250	208
Lexington	0.00	19.01	2.36	1.87	-2.12	92	62	76	1	182	2,012	-160
London	2.11	20.06	8.18	3.39	3.93	88	64	77	2	186	2,127	-26
Louisville	0.01	16.59	2.23	-0.34	-1.81	94	65	80	4	214	2,572	253
Mayfield	1.19	21.31	5.60	3.27	1.57	90	66	79	1	201	2,319	-72
Nashville	3.56	18.64	8.66	1.74	5.09	96	72	84	8	237	2,652	147
Nolin Lake	0.33	23.89	5.69	4.79	1.17	94	64	78	2	196	2,198	39
Paducah	0.15	19.88	5.49	1.58	1.73	93	69	81	3	220	2,534	107
Princeton	0.30	22.97	6.33	4.94	2.46	90	66	78	0	197	2,242	-179
Quicksand	1.96	16.07	6.11	-1.71	1.41	89	63	76	1	183	2,021	-21
Somerset	3.48	20.03	5.44	1.35	1.05	88	60	74	-1	172	1,977	-208
Spindletop	0.03	19.22	2.47	2.08	-2.01	90	65	77	2	190	2,049	-123
Williamstown	0.00	20.11	4.27	3.13	0.20	88	60	74	-1	170	1,952	-175

The above information is provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.